



A4-10

**PURCHASE SPECIFICATION
HMI TWO SECTION (OPEN TYPE) OPERATOR DESK
(2 m) FOR FARAKKA STAGE -I (3X200MW)**

PS/404/2784

REV No. : 00

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PROJECT : FARAKKA STAGE -I (3X200MW)

CUSTOMER : M/s NTPC

**EQUIPMENTS: TWO SECTION (OPEN TYPE) OPERATOR
DESK (2 m)**

**TITLE
PURCHASE SPECIFICATION
HMI OPERATOR DESK (2 m) FOR
FARAKKA STAGE -I (3X200MW)**

Dept Code
404

DRN.	NAME	SIGN	DATE
PREPARED	HARITEJA N		17.10.2018
CHECKED	BIRENDER NATH SHARMA		17.10.2018
APPROVED	D PRAKASH		17.10.2018



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REVISION HISTORY SHEET

REV No.	DATE	NATURE OF CHANGE	REASON	PREPARED BY	CHECKED BY	REVIEWED BY
00	17.10.2018	FIRST ISSUE	---	HN	BNS	DP

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SECTION1 – TWO SECTION (OPEN TYPE) OPERATOR DESK

Sl. No.	Specification	Supplier's Remark
1	Desk is required as per drawing enclosed (DRAWING-I). The desk should consist of vertical, horizontal and base support with their coverings for work surface, sliding keyboard trays, mouse pads, monitor shelf and concealed cable and wire way management, perforated trays with covers in both horizontal and vertical.	
2	The top surface of desk shall be 30mm thick with the top 12mm of acrylic solid surface and remaining 18mm of laminated medium density fiber board. Foot, cantilever beams, Cable managers to be made of Extruded/Cast Aluminum/CRCA laminated steel, Support legs and Horizontal supports (if required) below Work surface to be of minimum 2.0 mm thick suitable die cast/extruded Aluminum / CRCA laminated steel profile.	
3	Desk width, depth shall be as per the drawing enclosed (DRAWING-I). CPU shall be mounted on CPU trolleys.	
4	Profiled extended support and cantilevered beam of Aluminum / steel with suspension hook (if required) to support legs to be provided which should have powder coated finish in approved color / shade.	
5	The Desk can be designed, manufactured and supplied in separate shipping sections.	

NOTE:

1. Dimensions are indicative, detailed component size and specification may be vendor specific within broad specs given above.
2. As required Nos. of 4 way, 5/15 Amps power socket strip mounted on each of the shelves.

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SECTION 2 – GENERAL SPECIFICATIONS

Sl. No.	Specification	Supplier's Remark
1	Finished surface to be free from waves, belies or other imperfections. Surface to be Powder Coated or if Spray painted, 2 coats of inhibitive epoxy primer surface to be applied. Paint with Minimum of 2 coats of Primer and 2 sprays of final finish color to be applied OR powder coated with epoxy paint. Exact color and shade of components will be specified at the time of Order placement. Minimum thickness for Aluminum Sheets: is 30 microns. For MS Components: is 65 microns	
2	Along with offer detailed drawings showing sectional view, top view, front view, and rear view of desks and tables, electrical wiring diagram with bill of materials for each item, and images and/or catalogue of computer chairs.	
3	Documents to be submitted for manufacturing approval: <ul style="list-style-type: none"> ▪ Detailed OGA with front view, top view, rear view, sectional view, and floor cut-out details for desks and tables. ▪ Electrical Wiring Diagram with BOM of HMI operator desk, draw-out consoles, synchroscope, and Two section desk. ▪ Quality Plan ▪ Color Shade options. 	
4	Supplier internal Test certificate for dimensions, Visual inspection, paint, HV, IR, electrical functions to be submitted before giving inspection calls to BHEL.	
5	Inspection by BHEL / CUSTOMER at supplier's work.	
6	All items will be directly dispatched to project site from supplier works after obtaining necessary clearance from BHEL. Consignee details will be intimated at the time of placement of PO.	
7	All items shall be packed in complete weather proof packing with sufficient cushioning to avoid transit damage. Suitable pallet shall be provided for handling and transportation	
8	Name Plates with following details are to be provided for each shipping section. <ul style="list-style-type: none"> ▪ Item: As per PO ▪ Project Name / Unit no: As per PO ▪ Customer Name: As per PO ▪ BHEL Order No.: As per PO ▪ Date of dispatch to site: As per PO 	
9	Assembly, erection and installation, including laying of power cables, keyboard, mouse and monitor extender cables, termination of the cables, at site to be carried out by supplier. Offer to include charges for same along with necessary touch up etc.	
10	Modifications as per site requirements to be done on free of cost to match with floor opening for cables. Site work for aligning and matching the curvature of desk as shown in enclosed drawing is under supplier scope.	
11	Warranty: Offer to include "Two years warranty at site" for all items against manufacturing defects from date of supply. Warranty to include all costs towards material, labor, to fro, traveling, accommodation and stay etc. Exact location of the project site will be intimated at the time of PO.	

Note: Supplier is required to submit the filled, signed and stamped copy of this specification along with the offer, failing which offer is liable for rejection.

Annexures:

DRAWING I – HMI TWO SECTION (OPEN TYPE) OPERATOR DESK (2 m) drawing

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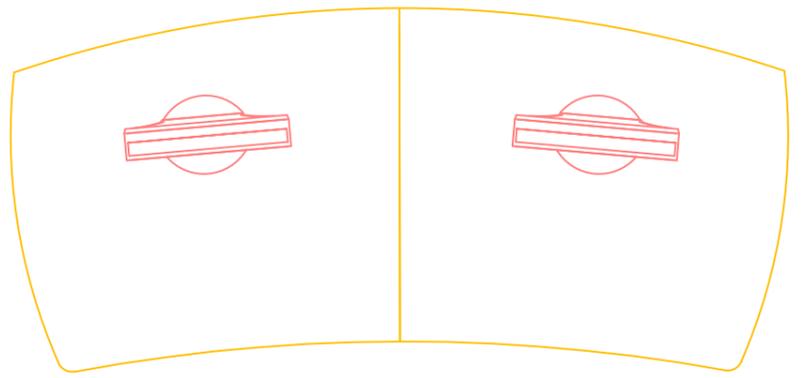
REF. DRG. No.
36594402806 01

SIGN. & DATE

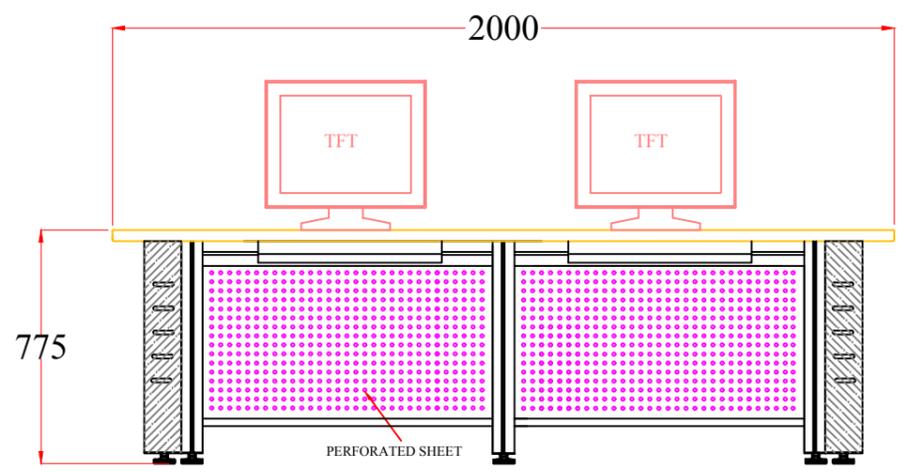
INVENTORY No.

DRAWING-I

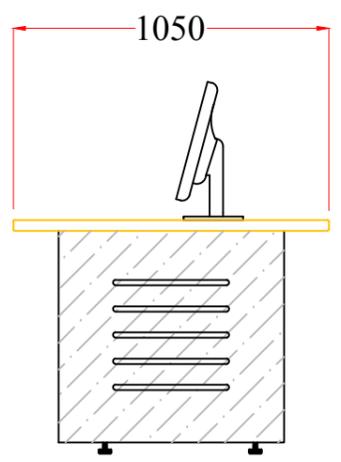
UNIT INCHARGE DESK / CONTROL DESK OF 2 mtrs



TOP VIEW



FRONT VIEW



SIDE VIEW

- NOTES :**
- 1) THE TOP SURFACE OF CONTROL DESK SHALL BE 30MM THICK WITH THE TOP 12MM OF ACRYLIC SOLID SURFACE AND THE REMAINING 18MM OF LAMINATED MEDIUM DENSITY .
 - 2) COLOR OF TABLE TOP : AS PER APPROVAL.
 - 3) FOOT, CANTILEVER, BEAMS, CABLE MANAGERS TO BE MADE OF EXTRUDE/CAST ALUMINIUM/CRCA LAMINATED STEEL, SUPPORT LEGS & HORIZONTAL SUPPORTS (IF REQUIRED) BELOW WORK SURFACE TO BE OF MINIMUM 2.0MM THICK. SUITABLE DIE/CAST/EXTRUDED ALUMINIUM/CRCA LAMINATED STEEL.
 - 4) ALL ALUMINUM EXTRUSIONS WILL BE POWDER COATED IN ALUMINUM GREY
 - 5) PAINT SHADE : AS PER APPROVAL
 - 6) DIMENSIONS ARE INDICATIVE AND SUBJECT TO CHANGE BASED ON MODEL/SUPPLIER AVAILABILITY.

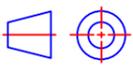
PRODUCT : FARAKKA STG-I (3x200 MW)
CUSTOMER: M/s NTPC

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

REV.	DATE	ALTERED	CHECKED	APPROVED	REV.	DATE	ALTERED	CHECKED	APPROVED	NAME	SIGN	DATE



DEPT. ENGG
CODE 404



TITLE:	UNIT INCHARGE DESK / CONTROL DESK OF 2 mtrs	No. OF SHEETS	08
		SHEET No.	05
WBS. No.	CE/1430-SH1-56-01	DRG. No.	3 659 44 04257
		REV	00